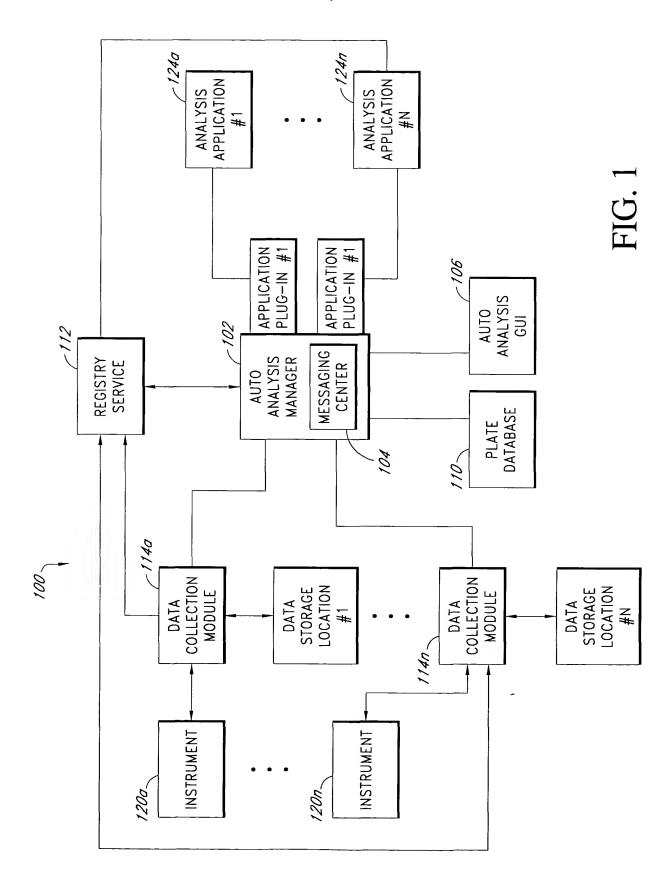
Appl. No.: Unknown Atty Docket: ABIOS.037A



Appl. No.: Unknown Atty Docket: ABIOS.037A

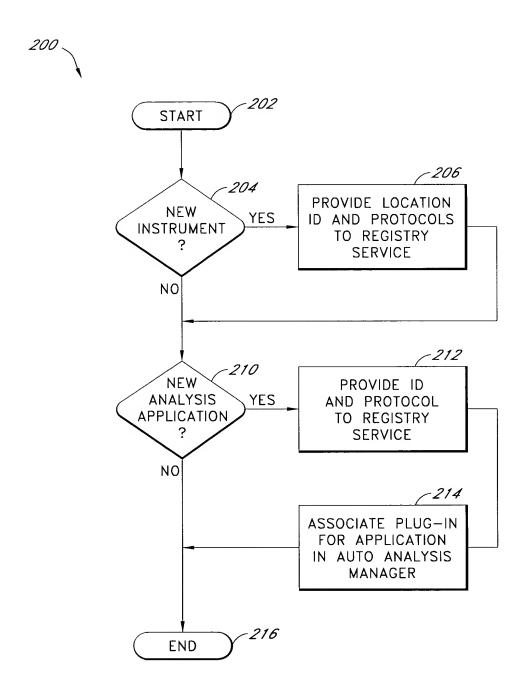


FIG. 2

Appl. No.: Unknown Atty Docket: ABIOS.037A

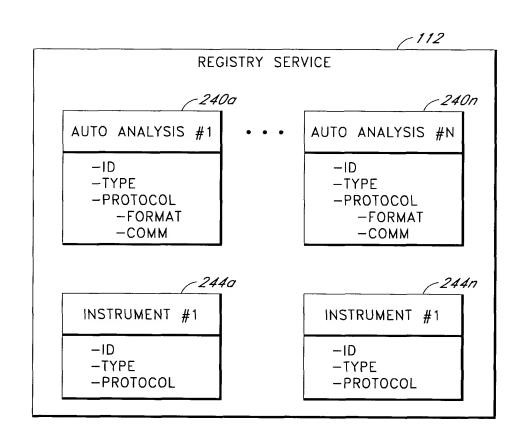


FIG. 3

AUTO-ANALYSIS FRAMEWORK FOR SEQUENCE EVALUATION

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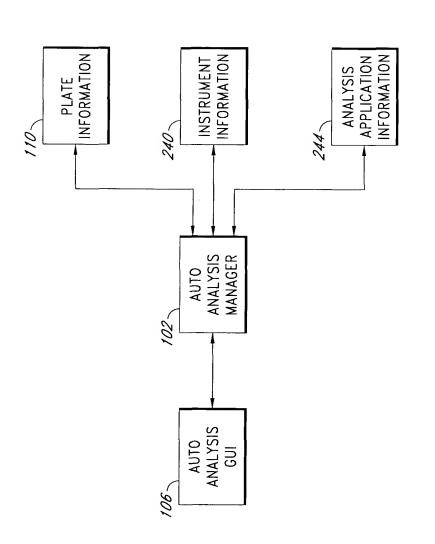


FIG. 4A

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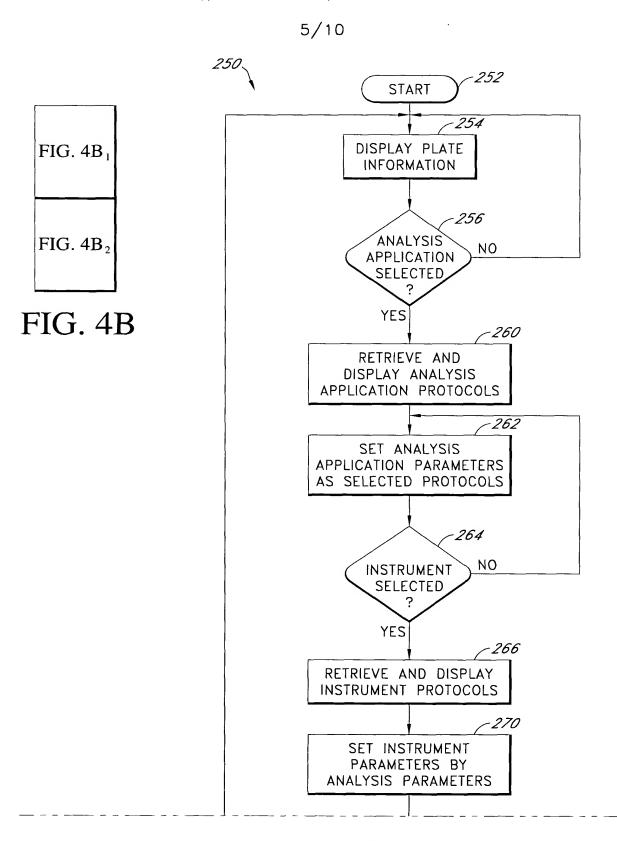


FIG. 4B₁

Appl. No.: Unknown Atty Docket: ABIOS.037A

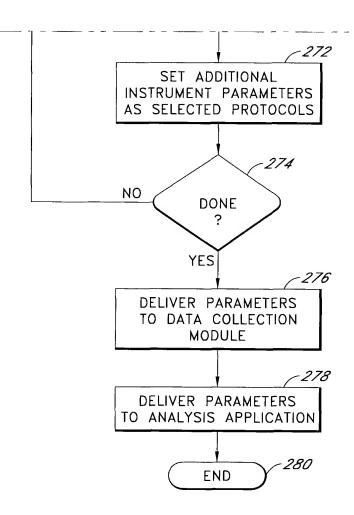


FIG. 4B₂

Appl. No.: Unknown Atty Docket: ABIOS.037A

	1			Operator:		
te ID: 100				Owner:		_
Well Sample Name	Comment Sample	Type Analysis Group	p Standard (Dye Panel	Size Standard	1
A1 Sample_001	Sample		Red	LMS_Panel01	GS500	<u>_</u> _
B1 Sample_002	Control	Project_001	Red	LMS_Panel01	GS500	
C1 Sample_003	Ladder	Projec:_001	Red	LMS_Panel01	G9500	
D1 Sample_004 E1 Sample 005	Sample Sample		Red	LMS_Panel01 LMS_Panel01	G9500 G9500	
E1 Sample_005 F1 Sample_006	Sample		Red	LMS_Panet01	G5500	_
O1 Sample_007	Sample		Red	LMS_Panel01	GS500	
H1 Sample_008	Sample	Project_001	Red	LMS_Panel01	GS500	
A2 Sample_009	Sample		Red	LMS_Panel01	G\$500	
B2 Sample_010 C2 Sample_011	Sample		Red	LMS_Panel01 LMS_Panel01	GS500 GS500	
C2 Sample_011 D2 Sample_012	Sample		Red	LMS_Panel01	GS500	
E2 Sample_013	Sample		Red	LMS_Panel01	GS500	
F2 Sample_014	Sample		Red	LMS_Panel01	G\$500	
G2 Sample_015	Sample		Red	LMS_Panel01	GS500	
H2 Sample_016	Sample		Red	LMS_Panet01	GS500	
A3 Sample_017 B3 Sample_018	Sample		Red	LMS_Panel01 LMS_Panel01	GS500 GS500	
41	Sample	Project_001	Red	CM2_1 and/01	103300	_
- ditor		Username: Password:				
Editor						
	11			Operator:		
Edit Name: GeneMapper_00 ate ID: 100		Password	"I Siza Standard	Owner:	I Analysis Protocol	
Edit Name: GeneMapper_00 ate ID: 100 Weil Analysis Group	Standard D	Password	Size Standard 65500	Owner:	Analysis Protocol	
Edit Name: GeneMapper_00 ete ID: 100 Weil]:Analysis Group		Password	Size Standard GS500 GS500	Owner:	Analysis Protocol AP_001 AP_001	
Edit Name: [GeneMapper_00] she ID: [100 Weil Analysis Group A1 Project_001 C1 Project_001	Standard Dy Red Red Red	ye Panel LMS_Panel01 LM	GS500 GS500 GS500	Owner: Run Protocol RP_001 RP_001 RP_001	AP_001 AP_001 AP_001	
Edit Name: GeneMapper_00 ske ID: 100 Weil Analysis Group A1 Project_001 B1 Project_001 D1 Project_001	Standard Dj Red Red Red Red Red	pe] Panel LMS_Panel01 LM	GS500 GS500 GS500 GS500	Owner: Run Protocol RP_001 RP_00	AP_001 AP_001 AP_001 AP_001	J
Edit Name: GeneMapper_00 site ID: 100 Weil Analysis Group A1 Project_001 B1 Project_001 C1 Project_001 D1 Project_001 E1 Project_001	Standard Dy Red Red Red Red Red	pe Panel LMS_Panel01 LMS_Panel01 LMS_Panel01 LMS_Panel01 LMS_Panel01 LMS_Panel01 LMS_Panel01	GS500 GS500 GS500 GS500 GS500	Owner: Run Protocol RP_001 RP_00	AP_001 AP_001 AP_001 AP_001 AP_001	J.
Edit Name: GeneMapper_00 ske ID: 100 Weil Analysis Group A1 Project_001 B1 Project_001 D1 Project_001	Standard Dj Red Red Red Red Red	pe] Panel LMS_Panel01 LM	GS500 GS500 GS500 GS500	Owner: Run Protocol RP_001 RP_00	AP_001 AP_001 AP_001 AP_001	
Edit Name: [GeneMapper_0] ste ID: [100 Weil Analysis Group A1 Project_001 B1 Project_001 C1 Project_001 D1 Project_001 E1 Project_001 E1 Project_001 E1 Project_001	Standard Dy Red Red Red Red Red Red	pe Panel LMS_Panel01 LMS_Panel01 LMS_Panel01 LMS_Panel01 LMS_Panel01 LMS_Panel01 LMS_Panel01	GS500 GS500 GS500 GS500 GS500 GS500	Owner: Run Protocol RP_001 RP_00	AP_001 AP_001 AP_001 AP_001 AP_001 AP_001	
Edit Name: GeneMapper_00 she ID: 100 Vieil .Analysis Group A1 .Project_001 B1 .Project_001 D1 .Project_001 E1 .Project_001 E1 .Project_001 E1 .Project_001 E1 .Project_001 H1 .Project_001 A2 .Project_001	Standard Dy Red Red Red Red Red Red Red	pe Panel LMS_PanelD1 LMS	GS500 GS500 GS500 GS500 GS500 GS500 GS500 GS500 GS500	Owner: Run Protocol RP_001 RP_001	AP_001 AP_001 AP_001 AP_001 AP_001 AP_001 AP_001 AP_001 AP_001 AP_001	
Edit Name: [GeneMapper_00] she ID: [100 Weil Analysis Group A1	Standard Dj Red Red Red Red Red Red Red Red Red Red	pe Panel LMS_Panel01	GS500 GS500 GS500 GS500 GS500 GS500 GS500 GS500 GS500 GS500	Owner: Run Protocol RP_001 RP_001	AP_001 AP_001 AP_001 AP_001 AP_001 AP_001 AP_001 AP_001 AP_001 AP_001	
Edit Name: [GeneMapper_00] ske ID: [100 A1	Standard Dy Red	Password Jee JiPanel LMS_Panel01	GS500 GS500 GS500 GS500 GS500 GS500 GS500 GS500 GS500 GS500	Owner: RP_001	AP_001	
Edit Name: GeneMapper_00 ske ID: 100 WeilAnalysis Group A1Project_001 B1Project_001 C1Project_001 E1Project_001 E1Project_001 G1Project_001 G1Project_001 A2Project_001 B2Project_001 D2Project_001 D2Project_001 D2Project_001 D2Project_001	Standard Dy Red	pe Panel LMS_PanelD1	65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500	Owner: Run Protocol RP_001 RP_001	AP_001	
Edit Name: GeneMapper_00 ske ID: 100 WeilAnalysis Group A1Project_001 B1Project_001 C1Project_001 E1Project_001 E1Project_001 G1Project_001 G1Project_001 A2Project_001 B2Project_001 D2Project_001 D2Project_001 D2Project_001 D2Project_001	Standard Dy Red	Password Jee JiPanel LMS_Panel01	GS500 GS500 GS500 GS500 GS500 GS500 GS500 GS500 GS500 GS500	Owner: RP_001	AP_001	
Edit Name: [GeneMapper_00] ske ID: [100 A1	Standard Dy Red	Password Je Panel LMS_Panel01	65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500	Owner: RP_001	AP_001	
Edit Name: GeneMapper_00	Standard Dy Red	pe Panel LMS_PanelD1	65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500	Owner: Run Protocol RP_001	AP_001	
Edit Name: [GeneMapper_0] she ID: [100 Weil Analysis Group A1 Project_001 B1 Project_001 C1 Project_001 E1 Project_001 E1 Project_001 E1 Project_001 E1 Project_001 E2 Project_001 E3 Project_001 E4 Project_001 E5 Project_001 E6 Project_001 E7 Project_001 E8 Project_001 E9 E9 E9 E9 E9 E9 E9 E9	Standard Dj Red	Password Je Panel LMS_Panel01 LMS_Panel0	65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500	Owner: Run Protocol RP_001	AP_001	
Edit Name: [GeneMapper_00] she ID: [100] Weil Analysis Group A1 Project_001 B1 Project_001 C1 Project_001 E1 Project_001 E1 Project_001 G1 Project_001 G2 Project_001 B2 Project_001 C2 Project_001 E2 Project_001 E2 Project_001 E2 Project_001 E3 Project_001 E4 Project_001 E5 Project_001 E7 Project_001 E7 Project_001 E8 Project_001 E9 Project_001 E1 Project_001 E2 Project_001 E3 Project_001 E3 Project_001 E3 Project_001 E3 Project_001 E3 Project_001 E3 Project_001	Standard Dy Red	pe Panel LMS_PanelD1	65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500	Owner: Run Protocol RP_001	AP_001	· · · · · · · · · · · · · · · · · · ·
Edit Name: [GeneMapper_0] she ID: [100 Weil Analysis Group A1 Project_001 B1 Project_001 C1 Project_001 E1 Project_001 E1 Project_001 E1 Project_001 E1 Project_001 E2 Project_001 E3 Project_001 E4 Project_001 E5 Project_001 E6 Project_001 E7 Project_001 E8 Project_001 E9 E9 E9 E9 E9 E9 E9 E9	Standard Dj Red	Password Je Panel LMS_Panel01 LMS_Panel0	65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500	Owner: Run Protocol RP_001	AP_001	
Edit Name: [GeneMapper_00] she ID: [100] Weil Analysis Group A1 Project_001 B1 Project_001 C1 Project_001 E1 Project_001 E1 Project_001 G1 Project_001 G2 Project_001 B2 Project_001 C2 Project_001 E2 Project_001 E2 Project_001 E2 Project_001 E3 Project_001 E4 Project_001 E5 Project_001 E7 Project_001 E7 Project_001 E8 Project_001 E9 Project_001 E1 Project_001 E2 Project_001 E3 Project_001 E3 Project_001 E3 Project_001 E3 Project_001 E3 Project_001 E3 Project_001	Standard Dj Red	Password Je Panel LMS_Panel01 LMS_Panel0	65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500	Owner: Run Protocol RP_001	AP_001	· · · · · · · · · · · · · · · · · · ·
Edit Name: [GeneMapper_00] ske ID: [100 A1	Standard Dj Red	Password Je Panel LMS_Panel01 LMS_Panel0	65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500 65500	Owner: Run Protocol RP_001	AP_001	· · · · · · · · · · · · · · · · · · ·

FIG. 4C

AUTO-ANALYSIS FRAMEWORK FOR SEQUENCE EVALUATION Thomas E. Birkett ALL No. 1 Volume Auto Docket, ABIOS 0274

Appl. No.: Unknown Atty Docket: ABIOS.037A 8/10 DOWN STREAM APPLICATION SCHEDULER INVOKE ANALYSIS EVENT MESSAGING SERVICE AND DIRECTORY SERVICE NAMING REGISTER LIST OF AVAILABLE PROTOCOLS BROADCAST ANALYSI\$ GROUP STATUS EVENT RECORD PROGRAM REGISTER APPLICATION BROADCAST RUN | COMPLETE EVENT ANALYZE DOWN STREAM APPLICATIONS (GeneMappe) (SeqScape) (SeqA) PLATE SAMPLE DATA PROCESS RUN TO POPULATE DATA COLLECTION GET SOFTWARE NFO GET SAMPLE DATA OBJECT

Appl. No.: Unknown Atty Docket: ABIOS.037A

Project	Username	Samples	Date/Time In	Status
Project_001	HonebePC	240	Nov 15, 2001 12:33 Ph	Complete - Nov 16, 2001
Project_002	HonebePC	240	Nov 15, 2001 12:33 Ph	4 Analyzing
Project_003	HonebePC	240	Nov 15, 2001 12:33 Ph	Waiting for GeneMapper 3.0
Project_004	YungKC	240	Nov 15, 2001 12:33 Pt	Error - Password Not Valid
	4	Clear Complete		

FIG. 6A

AUTO-ANALYSIS FRAMEWORK FOR SEQUENCE EVALUATION

Thomas E. Birkett Appl. No.: Unknown Atty Docket: ABIOS.037A

Sample

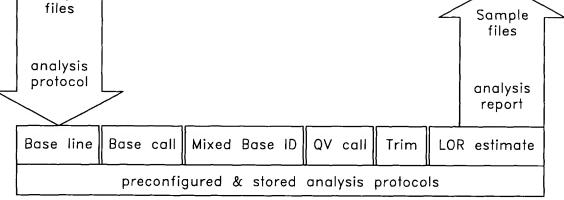


FIG. 6B

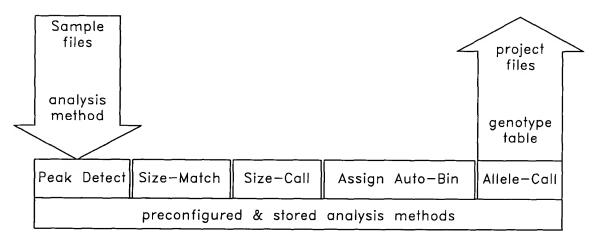


FIG. 6C

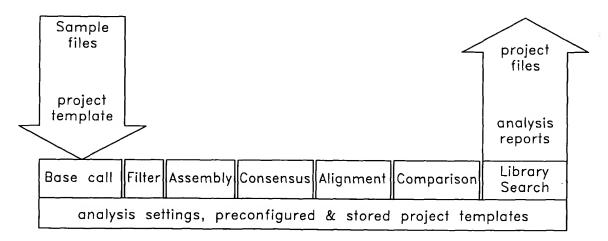


FIG. 6D